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<b>TRANSMITTAL LETTER TO THE UNITED STATES                  DESIGNATED/ELECTED OFFICE (DO/EO/US)                  CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER P70604US01GP U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/575804</b>
INTERNATIONAL APPLICATION NO. PCT/US04/33818	INTERNATIONAL FILING DATE October 13, 2004	PRIORITY DATE CLAIMED October 13, 2003
TITLE OF INVENTION Method and kit for primer based multiplex amplification of nucleic acids		
APPLICANT(S) FOR DO/EO/US Han, Jian		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/575804</div>		INTERNATIONAL APPLICATION NO. PCT/US04/33818		ATTORNEY'S DOCKET NUMBER P70604US0 1GP	
20. Other items or information:  <div style="text-align: center; padding: 10px;">return postcard, cover letter</div>					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				200	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$	
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				100	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
<b>TOTAL OF 21, 22 and 23 =</b>				600	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ 0	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	39 - 20 =	19	x \$ 50	\$ 950	
Independent claims	4 - 3 =	1	x \$200	\$ 200	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1750	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				\$ 875	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				\$ 875	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				\$ 875	
				Amount to be refunded:	\$
				Amount to be charged	\$

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- a. ☒ A check in the amount of \$ 875 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 500954. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Address associated with  
Customer No. 23378



SIGNATURE

T. Gregory Peterson

NAME

45,587

REGISTRATION NUMBER



LAP6 Rec'd PCT/PTO 13 APR 2006

**10/575804**

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April 13, 2006

**Express Mail No. EV445072799US**  
U.S. Patent and Trademark Office  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**NATIONAL PHASE APPLICATION OF PCT/US2004/33818  
UNDER 35 USC 371 TITLED METHOD AND KIT FOR PRIMER  
BASED MULTIPLEX AMPLIFICATION OF NUCLEIC ACID**

Applicants: HAN, Jian.  
Serial No.: New Application  
Filed: 4-13-2006  
Int. Filing Date: October 13, 2004  
Priority Date: October 13, 2003

Dear Sir:

Enclosed herewith are the following:

- (1) A Preliminary Amendment to the national phase application of PCT/US2004/33818 titled **METHOD AND KIT FOR PRIMER BASED MULTIPLEX AMPLIFICATION OF NUCLEIC ACID**;
- (2) Information Disclosure Statement for the above referenced application;
- (3) Transmittal Letter to the United States Designated/Elected Office concerning a submission under 35 USC 371;
- (4) CRF containing sequence listing;
- (5) Statement regarding sequence listing; and
- (6) Combined Declaration and Power of Attorney.

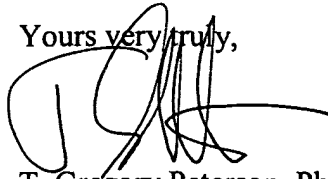
The applicant believes the above meets the requirements of a national stage filing under 35 USC 371. Thank you for your cooperation and assistance in this matter. Please do not hesitate to call if you have any questions.

U.S. Patent and Trademark Office  
April 13, 2006  
Page 2

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10/575804  
IAP20 Rec'd PCT/PTO 13 APR 2006

Yours very truly,



T. Gregory Peterson, Ph.D.  
Registration No. 45,587

TGP/tgp  
Enclosures

cc: Jian Han, M.D., Ph.D. (with enclosures)

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that the following items are enclosed:

- |    |                                                |                |
|----|------------------------------------------------|----------------|
| 1. | Cover Letter (including this page)             | <u>3</u> pages |
| 2. | Preliminary Amendment                          | <u>9</u> pages |
| 3. | Information Disclosure Statement (with 17 ref) | <u>3</u> pages |
| 4. | Transmittal Form                               | <u>3</u> pages |
| 5. | Statement regarding sequence listing           | <u>1</u> page  |
| 6. | Combined Declaration and Power of Attorney     | <u>2</u> pages |

**Total 6 Documents** 21 pages

1 CRF containing sequence listing

and are being deposited with the "Express Mail Post Office to Addressee" service of the United States Postal Service in an envelope marked **EV445072799US** addressed to Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450 on **April 13, 2006**.

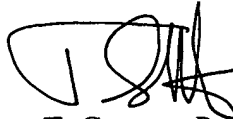
Date: 4-13-2006



T. Gregory Peterson  
Registration No. 45,587

**AUTHORIZATION TO CHARGE**  
**DEPOSIT ACCOUNT**

The Commissioner is authorized to pay any charges, fees, or sums due in connection with this correspondence, I hereby authorize the Commissioner of Patents and Trademarks to charge all such remaining fees, charges, and other sums due to Deposit Account Number 50-0954.



T. Gregory Peterson  
Authorized User of Deposit Account 50-0954